Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/05/2016 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125260	0	1.40	125065	1.39
Blue	F	SSC	125000	125075	0	3.24	125893	3.07
Blue	E	FITC	17224	16571	-4	2.45	932	8.05
Blue	D	PE	22462	22035	-2	2.10	990	7.23
Blue	B	PerCP-Cy5-5	63940	63711	-1	2.79	1703	12.02
Blue	A	PE-Cy7	72480	71726	-2	3.79	950	22.97
Red	C	APC	63778	62831	-2	2.32	3557	7.32
Red	A	APC-Cy7	97254	97286	0	2.47	1970	7.21
Violet	B	V450	10730	10403	-4	3.37	639	7.29
Violet	A	V500	42147	40533	-4	2.95	2278	5.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20203	1.92	577	-43	N/A	N/A	Pass
Blue	F	SSC	62481	2.06	509	-18	N/A	N/A	Pass
Blue	E	FITC	100	30.67	513	-26	0.0306	0	Pass
Blue	D	PE	204	21.66	509	-23	0.2106	103	Pass
Blue	B	PerCP-Cy5-5	208	34.72	598	-16	0.0131	0	Pass
Blue	A	PE-Cy7	71	88.48	652	-21	0.0173	4	Pass
Red	C	APC	334	23.90	576	-8	0.0262	28	Pass
Red	A	APC-Cy7	124	33.21	560	-5	0.0057	429	Pass
Violet	B	V450	68	33.48	446	-28	0.0541	926	Pass
Violet	A	V500	149	18.17	474	-29	0.0162	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-35.87	-35.58	0.73
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.15
Red	14.61	11.44 - 17.16	N/A	N/A	36.17	36.40	1.00

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 17746

Fluidics

FACSFlow Pressure: 3.00 Sample Pressure: 2.80
Spec.: 2.90 - 3.10

Comments